

# FIG.4 PRIOR ART

	- ~	ω 4	. vo c	, –	2 8	4 rc	9 6	. w o	0						٠	
_																
SONET	QL-STU	QL-PRS	QL-INV2	QL-INV3	QL-TNC	GL-INV5	QL-INV6	QL-ST2	QL-INV8	QL-INV9	QL-ST3	QL-INV11	QL-SMC	QL-ST3E	QL-PROV	QL-DUS
SDH	QL-INV0	QL-INV1	QL-PRC	QL-INV3	QL-SSU-A	QL-INV5	QL-INV6	QL-INV7	QL-SSU-B	6/NI-TO	QL-INV10	QL-SEC	QL-INV12	QL-INV13	QL-INV14	OL-DNU
S1 BYTE	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
	-	2	3	4	5	9.	7	8	6	10	11	12	13	14	15	16
								-								

				onization	
ce Clock	SU	Ω	Clock	Not to be Used for Synchronization	
Primary Reference Clock	Primary Level SSU	d Level SSU	SDH Equipment Clock	be Used 1	
: Primar		Second I	: SDHE	: Not, to	· Invalid
QL-PRC	A-USS-JC	<b>2L-SSU-B</b>	QL-SEC	ar-dnu	×ANI- IC

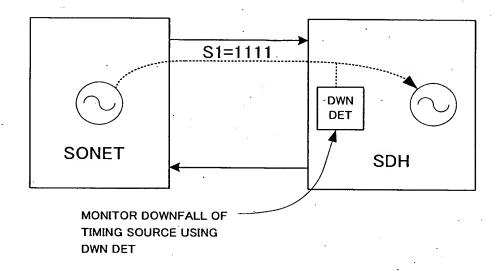
QL-PRS QL-STU

QL-ST3E QL-TNC

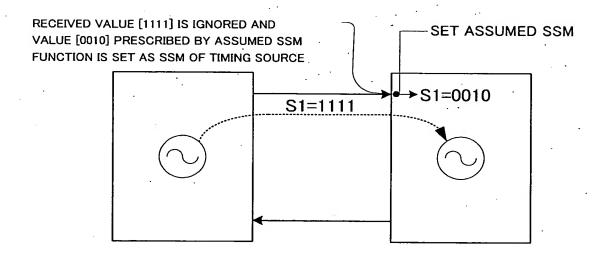
Primary Reference Clock
Synchronized - Traceability Unknown
Traceable to Stratum 2
Traceable to Transit Node Clock
Traceable to Stratum 3E
Traceable to Stratum 3
Traceable to Stratum 3
Traceable to SONET Clock Self Timed
Provisionable by the Network Operator
Not to be Used for Synchronization QL-SMC QL-PROV QL-DNS QL-INV QL-ST3

Invalid

# FIG.5A PRIOR ART



# FIG.5B PRIOR ART



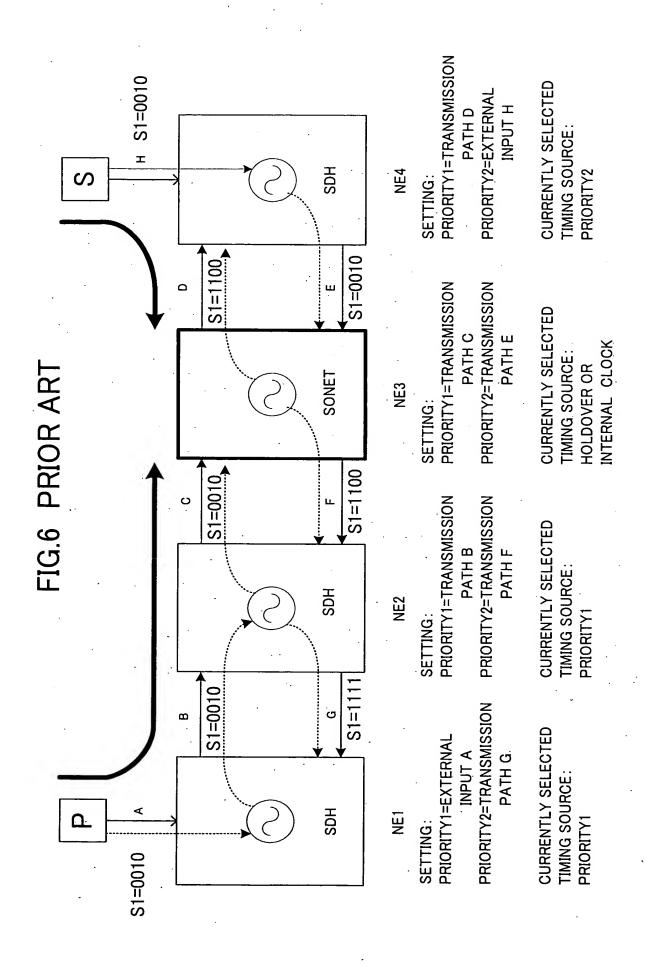


FIG.7

SDH												
QL-LEVEL	QL-VALUE	ORDER										
QL-PRC	1	HIGHEST										
QL-SSU-A	2	•										
QL-SSU-B	3	ΙT										
QL-SEC	4											
QL-DNU	5	₩.										
QL-INVx	6	LOWEST										

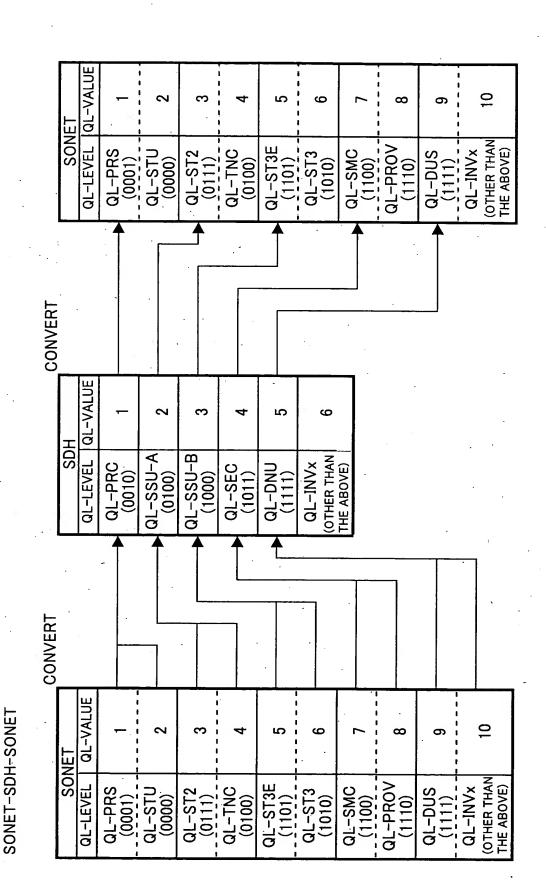
	SONET	
QL-LEVEL	QL-VALUE	ORDER
QL-PRS	1	HIGHEST
QL-STU	2	<b>A</b>
QL-ST2	3	<b>T</b>
QL-TNC	4	
QL-ST3E	5	
QL-ST3	6	. ()
QL-SMC	7	
QL-PROV	DEFAULT	
QL-DUS	9	▼
QL-INVx	10	LOWEST

FIG.8

# SDH/SONET CONVERT

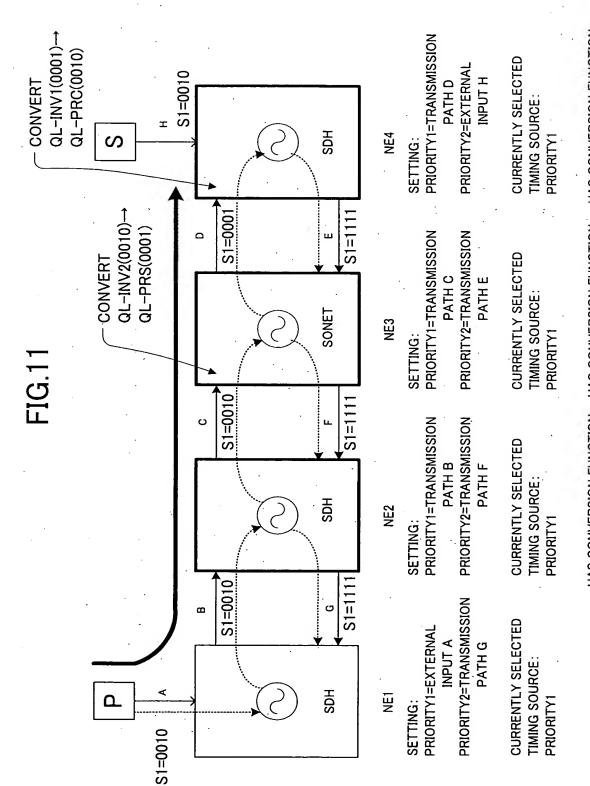
SE			SON	ET
QL-LEVEL	QL-VALUE		QL-LEVEL	QL-VALUE
QL-PRC (0010)	.1	S <b>t</b> ratum1	QL-PRS (0001)	1
QL-SSU-A (0100)	2		QL-STU (0000)	. 2
QL-SSU-B (1000)	3	S <b>{</b> ratum2	QL-ST2 (0111)	3
QL-SEC (1011)	4	Stratum3	QL-TNC (0100)	4
QL-DNU (1111)	5	5,12535	QL-ST3E (1101)	5
QL-INVx (OTHER THAN THE ABOVE)	6		QL-ST3 (1010)	6
THE ABOVE)		Stratum4	QL-SMC (1100)	7
		Do not use	QL-PROV (1110)	8
•		20 1100 030	QL-DUS (1111)	9
			QL-INVx (OTHER THAN THE ABOVE)	10

FIG 9

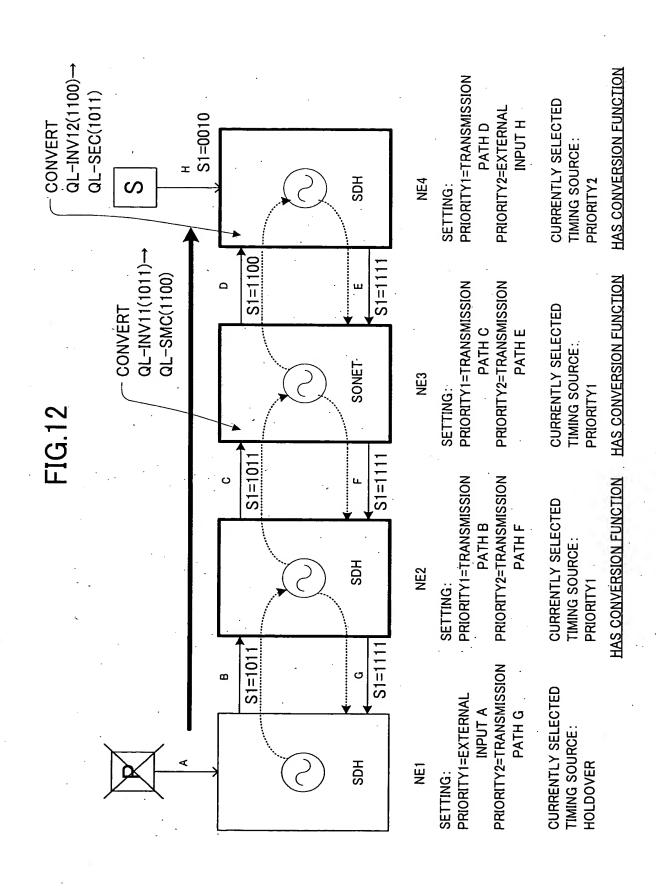


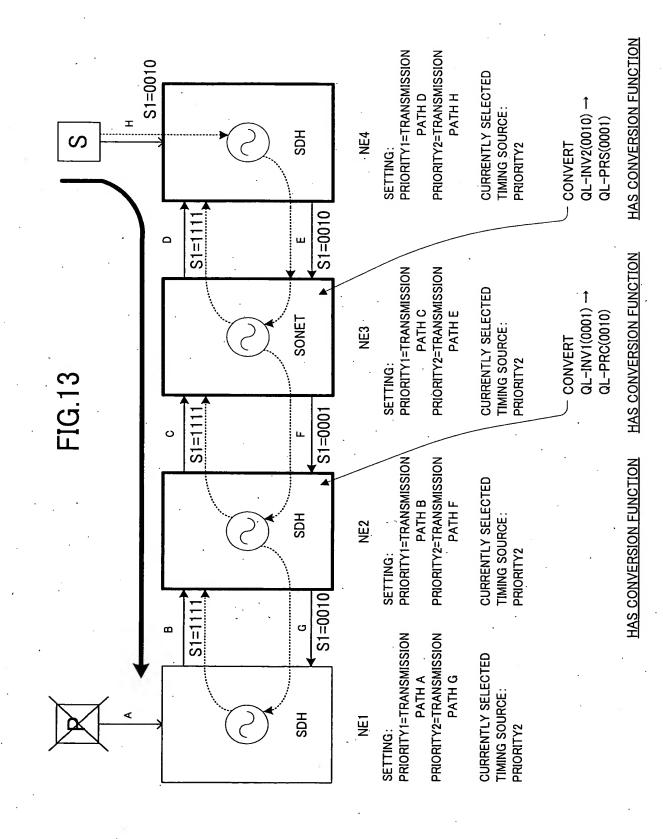
QL-LEVEL QL-VALUE ~ က വ 9 QL-SSU-A (0100) QL-SSU-B (1000) (OTHER THAN THE ABOVE) QL-SEC (1011) QL-DNU (1111) QL-INVx QL-PRC (0010)CONVERT QL-LEVEL | QL-VALUE 9 ~ 4 Ŋ တ  $\infty$ တ SONET (OTHER THAN THE ABOVE) OL-ST3E (1101) OL-ST3 QL-ST2 (0111) QL-TNC (0100) QL-SMC (1100) QL-DUS (1111) QL-PRS (0001) QL-PROV QL-STU (0000) QL-INVx (1110)(1010)CONVERT QL-LEVEL | QL-VALUE ~ က 4 വ 9 SDH QL-SSU-A (0100) (OTHER THAN THE ABOVE) QL-SSU-B QL-PRC (0010) QL-SEC (1011) QL-INVx QL-DNU (1000)(1111)

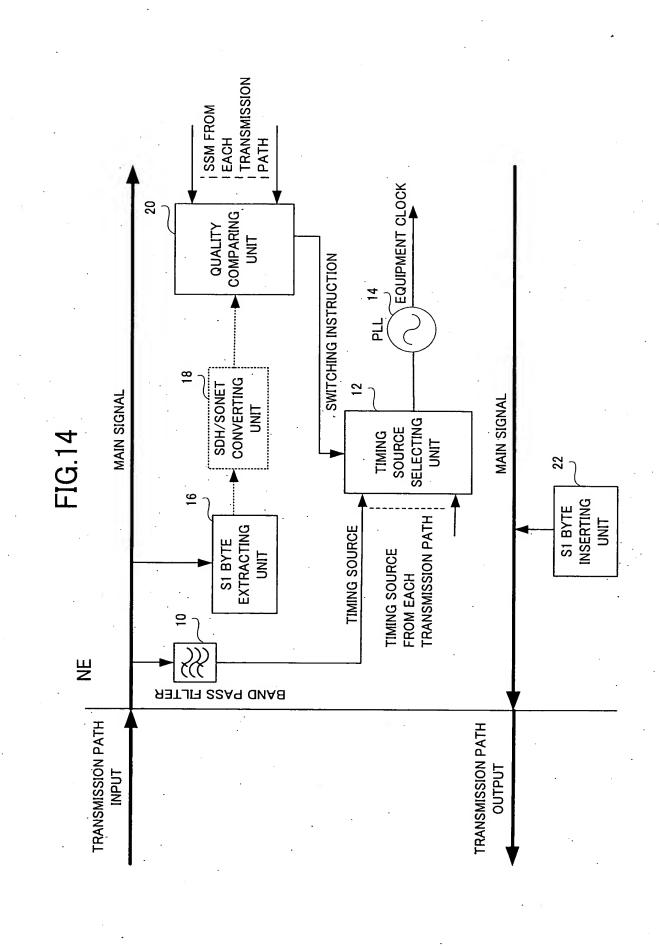
SDH-SONET-SDH

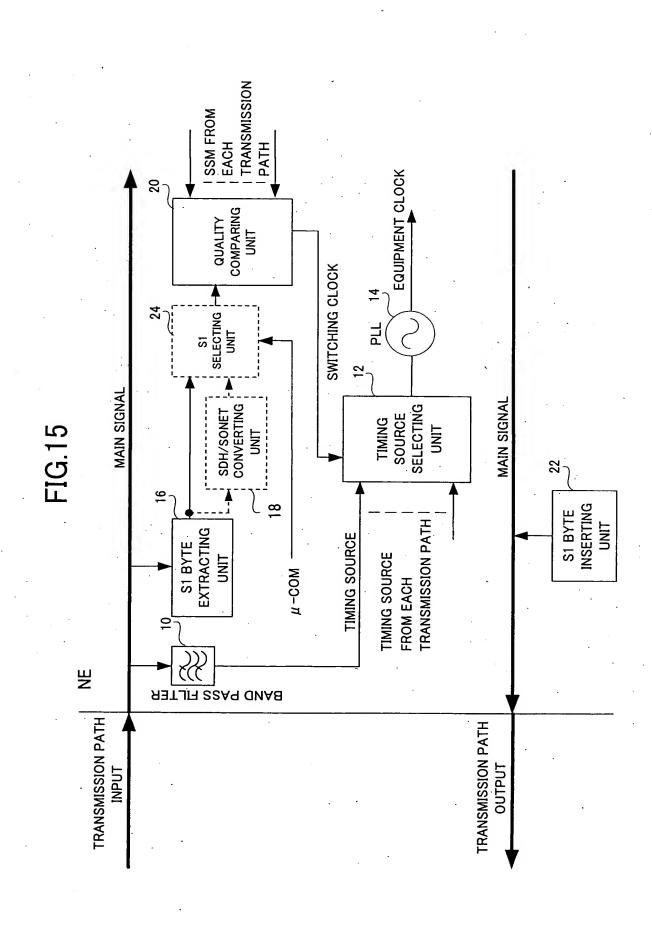


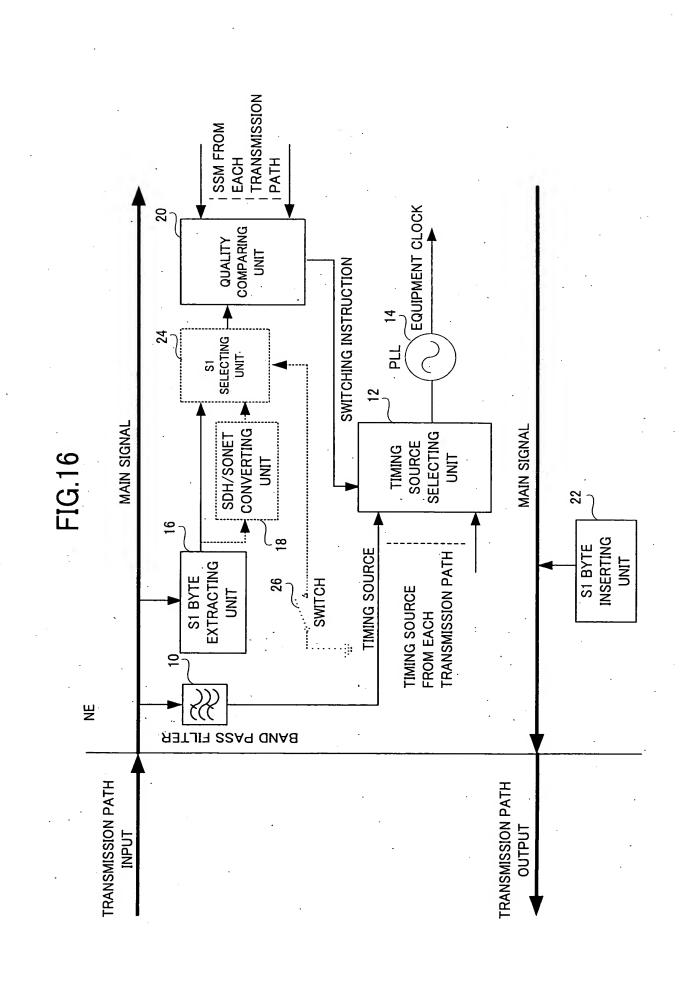
HAS CONVERSION FUNCTION HAS CONVERSION FUNCTION HAS CONVERSION FUNCTION











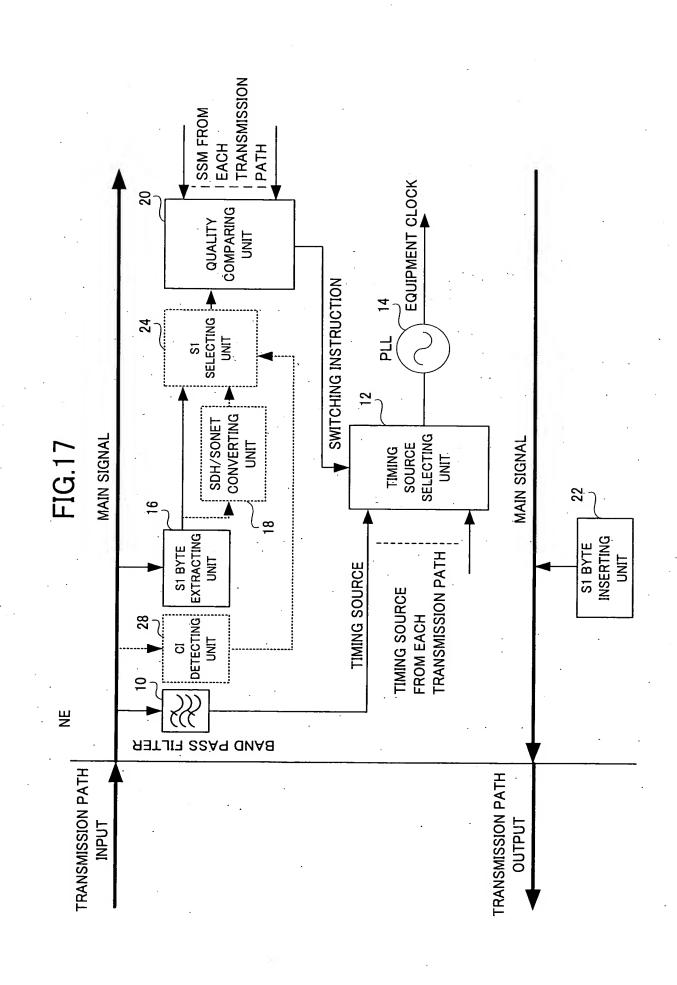


FIG.18

	SDH APPARATUS	SONET APPARATUS			
SDH SIGNAL (WITH CI)	DO NOT CONVERT	CONVERT			
SONET SIGNAL (WITHOUT CI)	CONVERT	DO NOT CONVERT			

FIG.19A

DEFAULT

SDH → SONET

													•				
	10	0000	0001	0001	0011	0111	0101	0110	0111	1101	1001	1010	1100	1100	1101	1110	1111
FROM 0000 0000 0010 0010 0010 1100 1100 11		1	1	1	, <b>1</b>	1	1	1	1	1	1		1	1	· † ·	1	1
	FRON	0000	.000	0010	0011	0100	0101	0110	0111	1,000	1001	1010	0011	1100	1101	1110	1111

FIG.19B
CLIENT SETTING
SDH — SONET
FROM TO

FROM TO 0000 → 0000 0001 → 0001 0010 → 0010 0100 → 0100 0110 → 0110 0111 → 0111 1001 → 1010 1100 → 1100 1101 → 1110 1111 → 1111				⇒SET QL-SSU-A TO BE	CONVERIED IO QL-INC			⇒SET QL-SSU-A TO BE	CONVERTED TO QL-TNC			
			. 1	A Comment	1	1	1	100		-		1

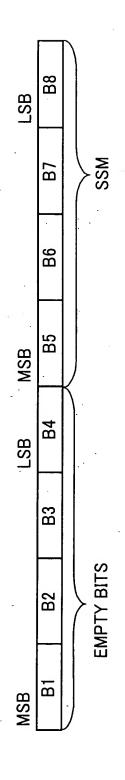


FIG 21

